**Mixed Review Practice** Name:

October 14, 2008

**Please show all your work!**

EVALUATING ALGEBRAIC EXPRESSIONS

Evaluate the following using a= 4, b= -3, c= -5

1. c(a-b)2 + ()
2. c(b+4a)-(b-a)2
3. c2-(3a-2b)2+(a+b)(b+c)

What was easy for you about questions 1-3? What was difficult? What can Ameena and Jenkins do to help you with this concept?

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COMBINING LIKE TERMS

Simplify the following expressions by combining like terms. NOTICE THESE ARE NEW DIRECTIONS! DO NOT SOLVE USING PREVIOUS DIRECTIONS!

1. 10a+2b-(9a+3b)
2. 11b-(9a+8b)+(14a-9b)
3. 4a2+9a-3(a+3a2)

What was easy for you about questions 4-6? What was difficult? What can Ameena and Jenkins do to help you with this concept?

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FRACTIONS

1. Add the following: +
2. Multiply the following: \*
3. Divide the following: ÷

What was easy for you about questions 7-9? What was difficult? What can Ameena and Jenkins do to help you with this concept?

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ENGLISH TO ALGEBRA

1. Write the following as an algebraic expression: the product of a number decreased by ten and the sum of a number and seven
2. Write the following as an algebraic expression: the quotient of a number and the sum of a number and ten
3. Write the following as an algebraic expression: the sum of twice a number and the quotient of three and a number

What was easy for you about questions 10-12? What was difficult? What can Ameena and Jenkins do to help you with this concept?

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ORDER OF OPERATIONS

1. Find the answer to the following:
2. Find the answer to the following: (3\*8÷6)2-3[(32+3)/2]
3. Find the answer to the following: -(3-6)2+[10+12/(23-4)]

What was easy for you about questions 13-15? What was difficult? What can Ameena and Jenkins do to help you with this concept?